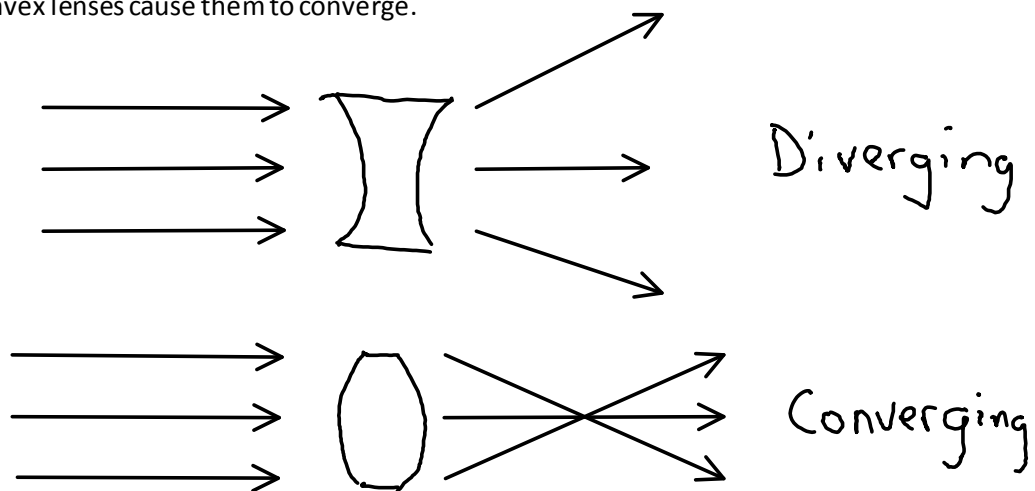


·Properties of Lenses

There are 2 main types of lenses, concave and convex. Concave lenses cause parallel rays to diverge, while convex lenses cause them to converge.

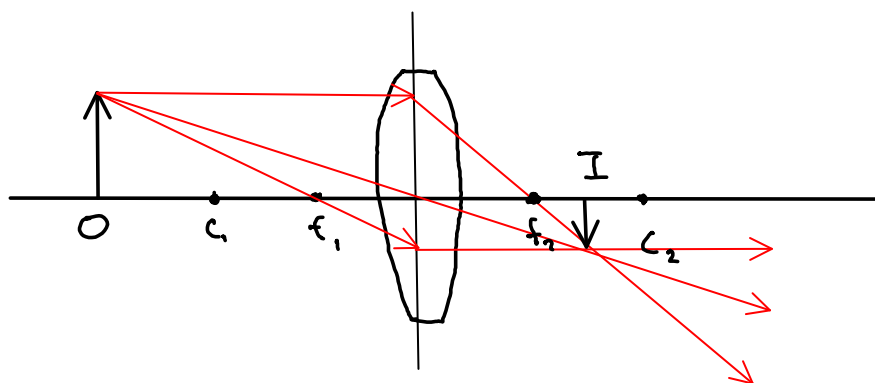


Predicting images in lenses, is done similarly to that with mirrors, except, there are 2 principal foci, and 2 centers of curvature.

The 3 rays are drawn as follows:

- 1) Arrives parallel to the principal axis, and refracts through the principal focus.
- 2) Arrives through the principal focus, and refracts parallel to the principal axis.
- 3) Travels directly through the center of the lens.

Ex 1:



This image is real, inverted, reduced!

Ex 2

